Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/01/2020 11:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124262	-1	2.82	124318	2.78
Blue	F	SSC	125000	124496	-1	2.25	125217	2.27
Blue	E	FITC	15892	15322	-4	2.97	334	21.09
Blue	D	PE	29999	29098	-4	2.16	634	15.16
Blue	B	PerCP-Cy5-5	43732	43647	-1	3.84	1171	21.34
Blue	A	PE-Cy7	30845	30957	0	6.24	587	42.33
Red	C	APC	46112	45137	-3	2.54	1597	11.90
Red	A	APC-Cy7	30458	29797	-3	2.49	783	11.68
Violet	B	V450	7918	7592	-5	4.19	428	13.38
Violet	A	V500	32171	30849	-5	3.88	720	10.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17089	13.87	632	11	N/A	N/A	Pass
Blue	F	SSC	56821	1.62	572	13	N/A	N/A	Pass
Blue	E	FITC	60	70.60	548	5	0.0189	229	Pass
Blue	D	PE	131	52.14	554	6	0.1568	285	Pass
Blue	B	PerCP-Cy5-5	214	52.74	663	7	0.0083	68	Pass
Blue	A	PE-Cy7	106	110.19	706	8	0.0104	27	Pass
Red	C	APC	381	24.94	585	1	0.0258	175	Pass
Red	A	APC-Cy7	173	28.43	558	2	0.0060	1170	Pass
Violet	B	V450	65	65.14	462	4	0.0598	3145	Pass
Violet	A	V500	107	41.18	478	4	0.0245	2062	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-31.89	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.44
Red	16.42	13.60 - 20.40	N/A	N/A	29.54	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9690

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments